Nokia Customer Care

6(a) - Baseband Troubleshooting

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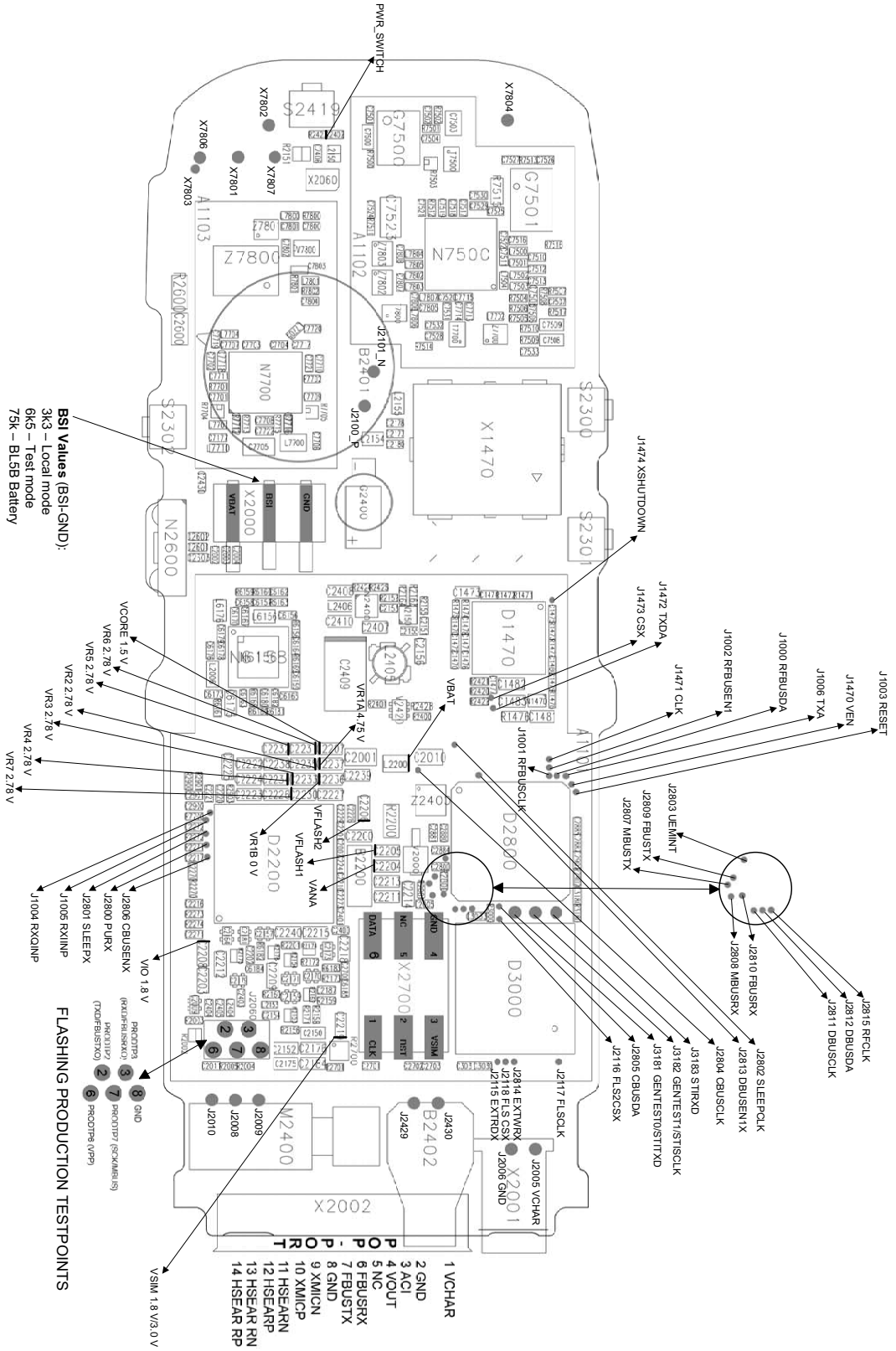
Test Points



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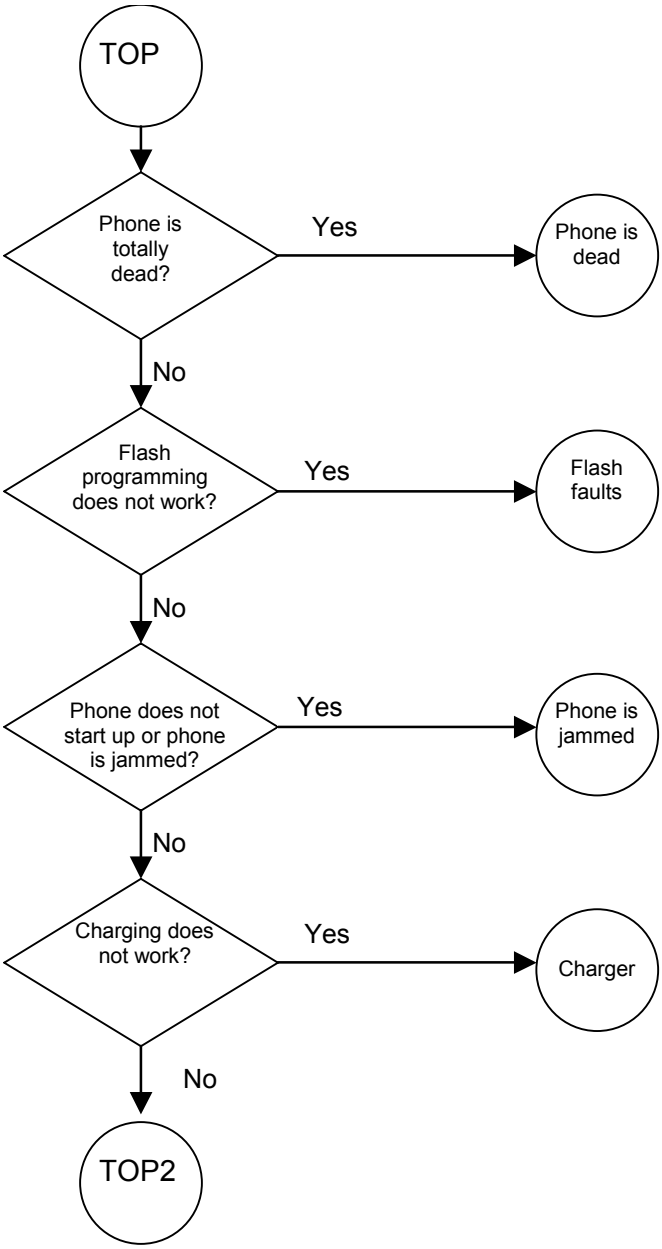
Troubleshooting

Top level flow 1



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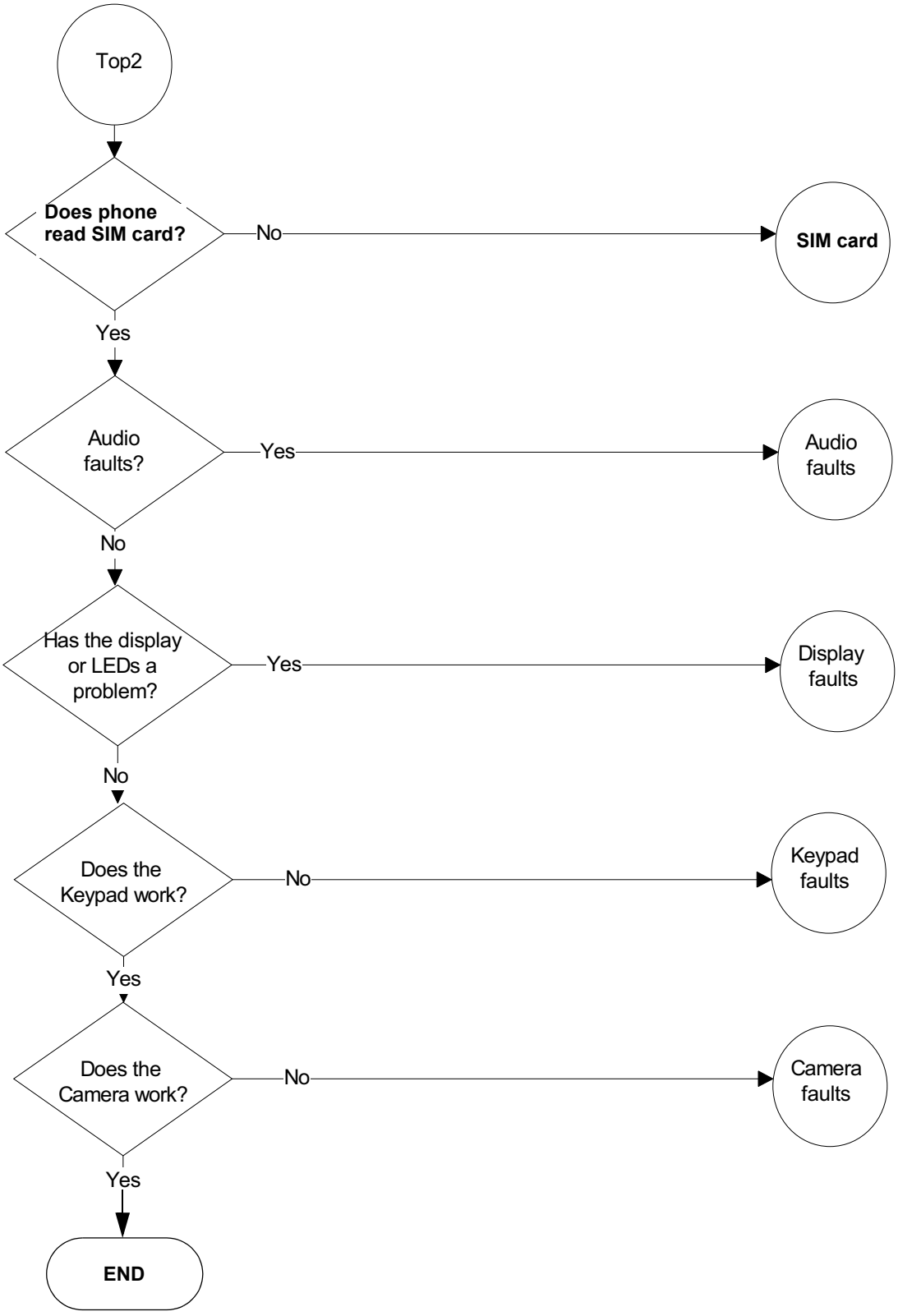
Top level flow 2



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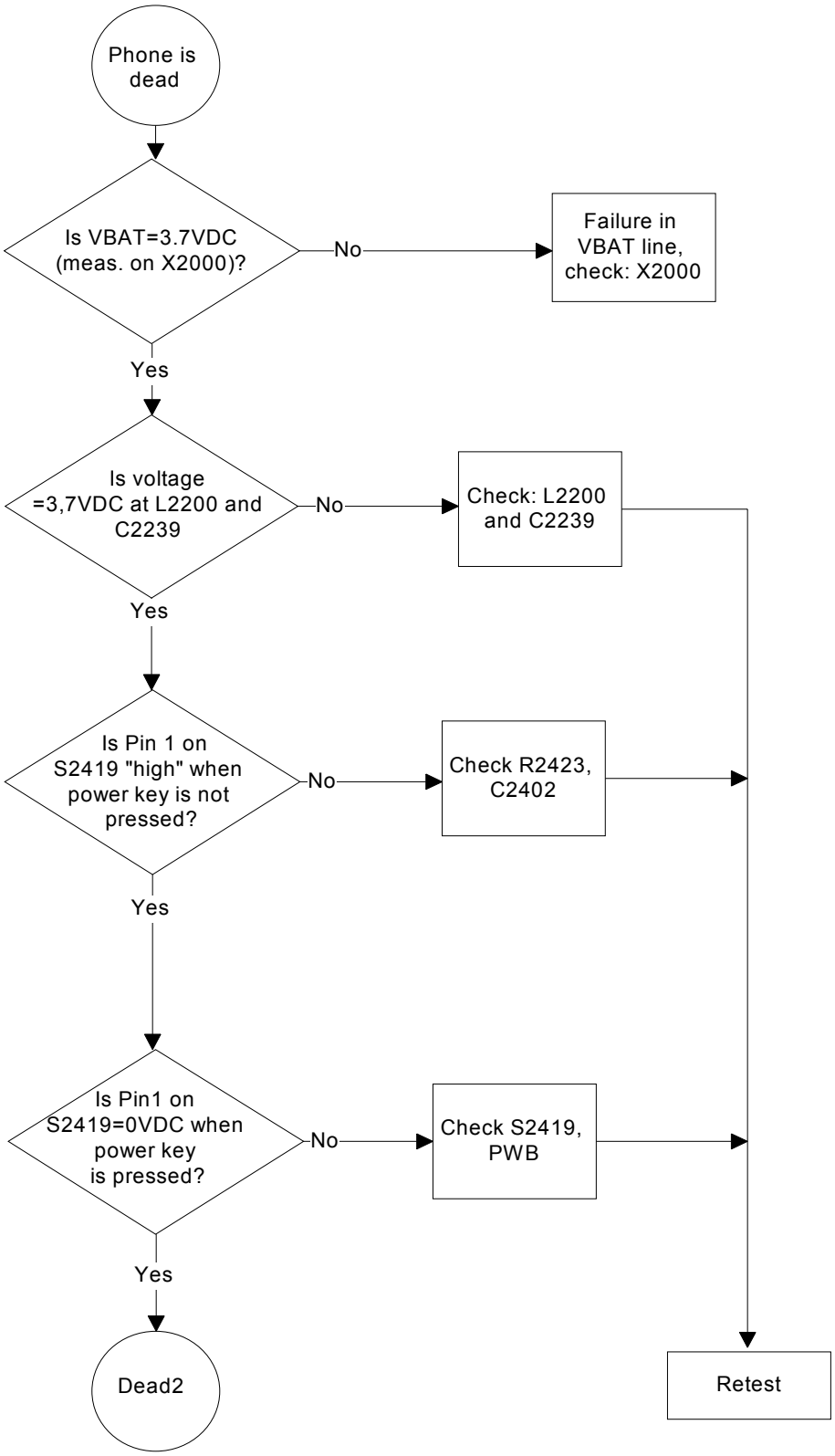
Phone is dead 1



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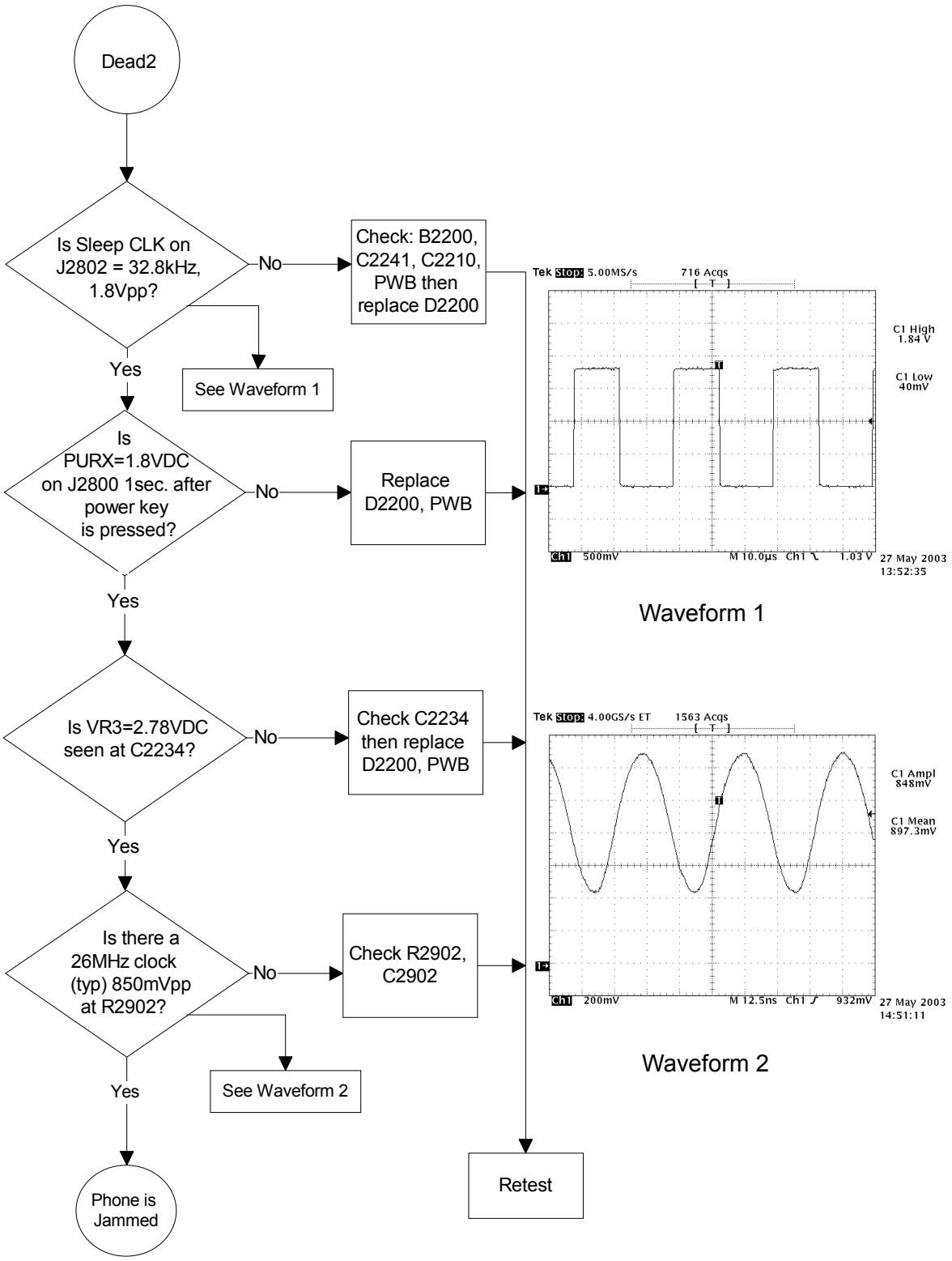
Phone is dead 2



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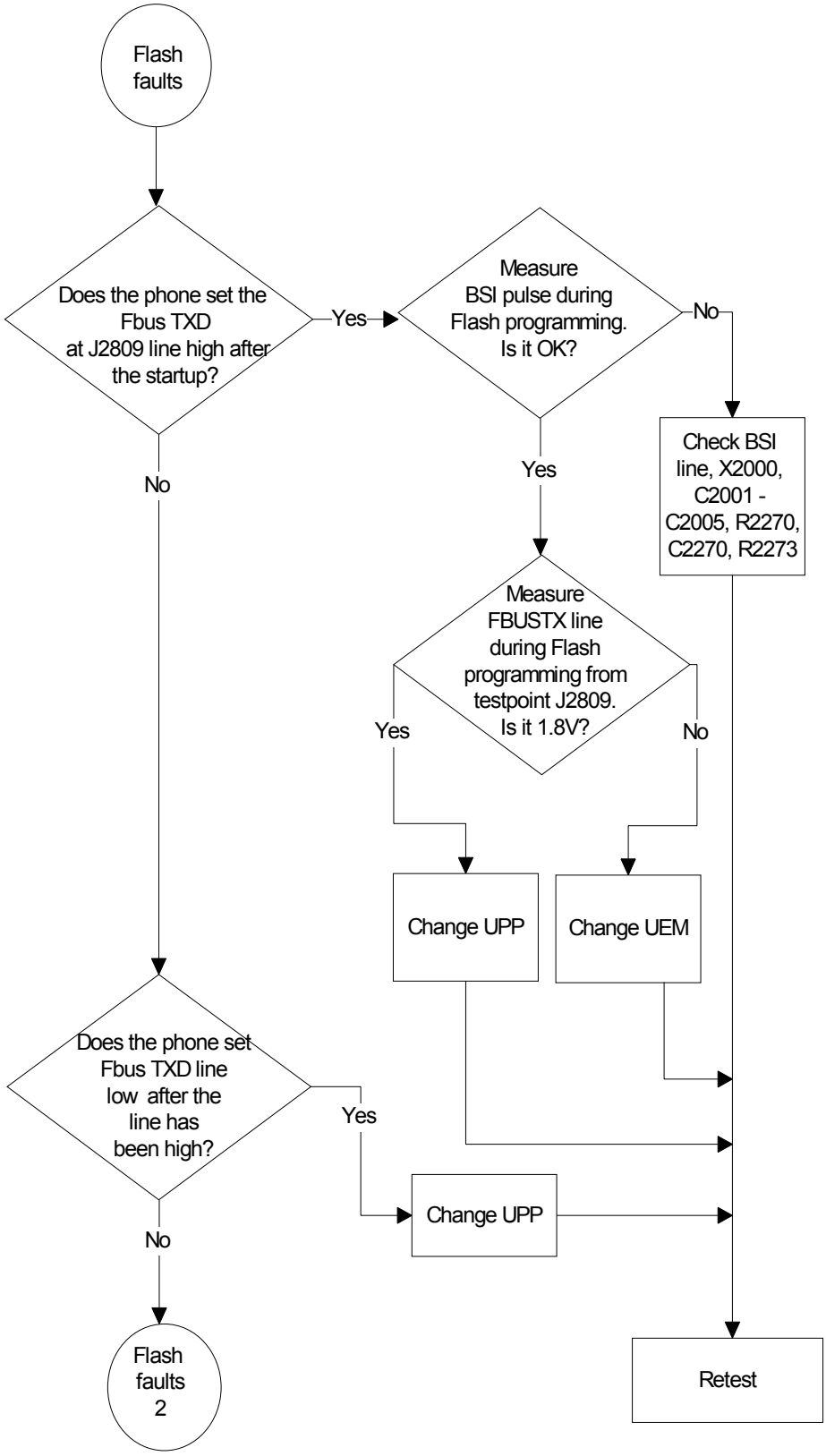
Flash faults 1



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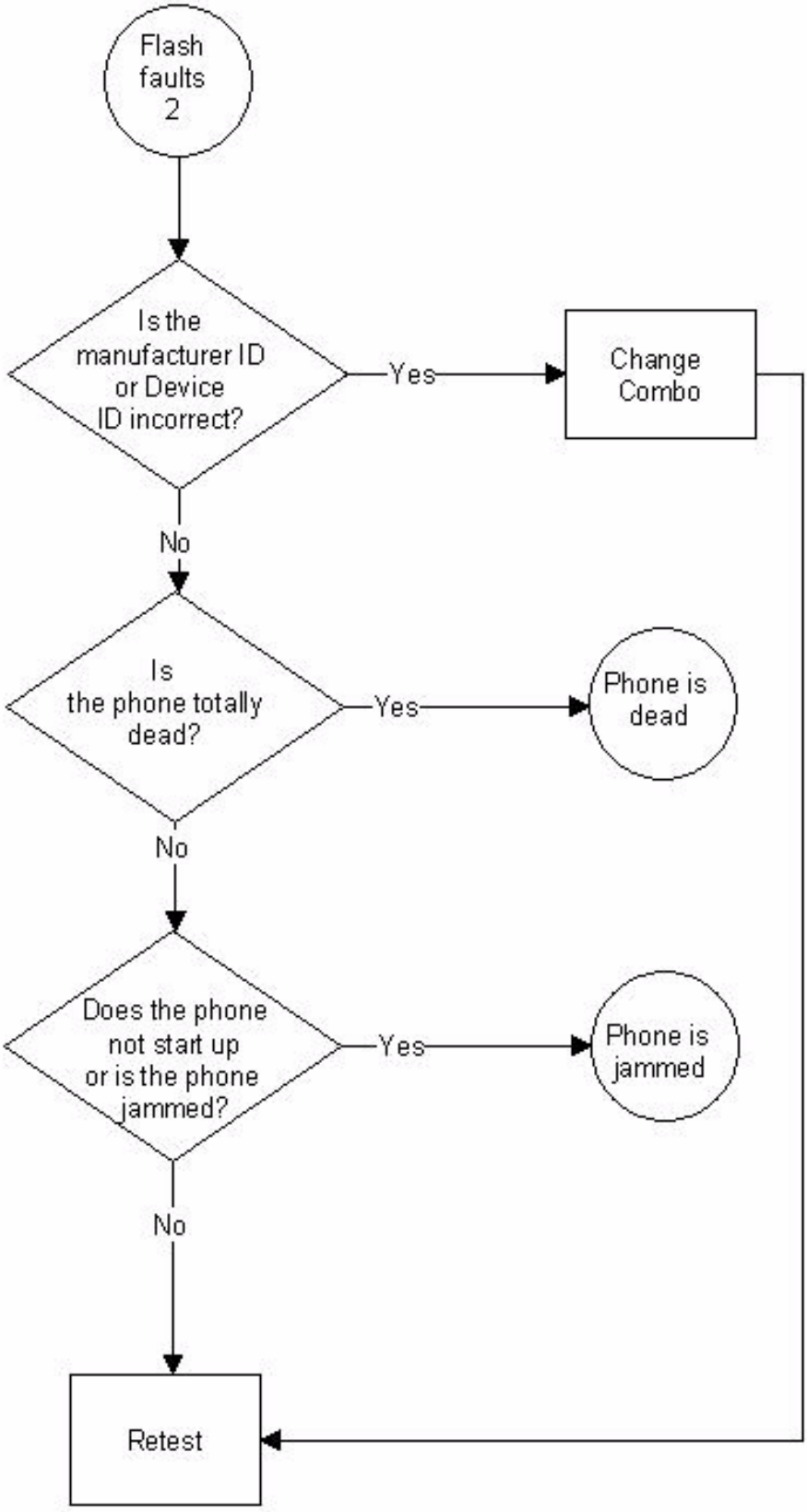
Flash faults 2



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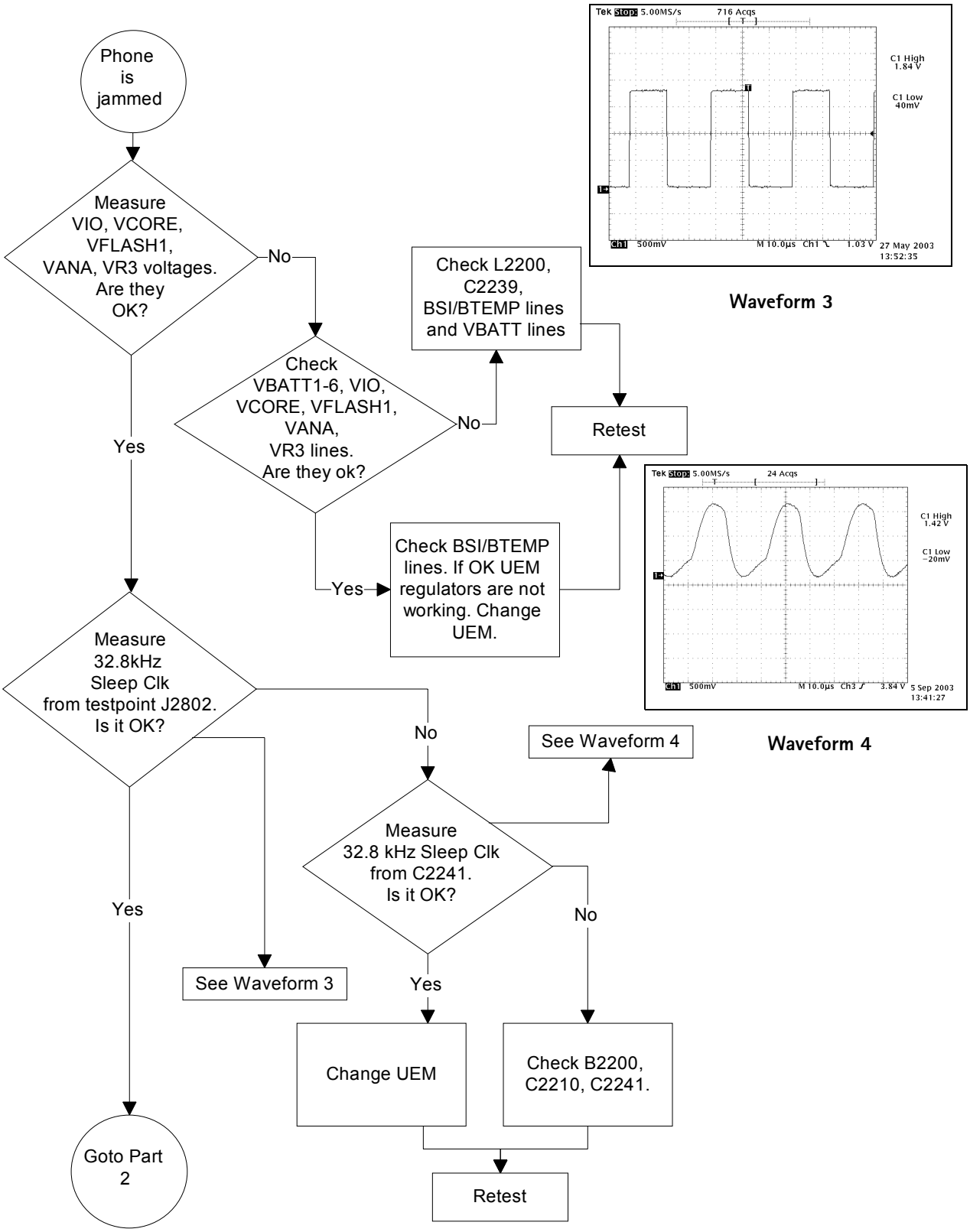
Phone is jammed 1



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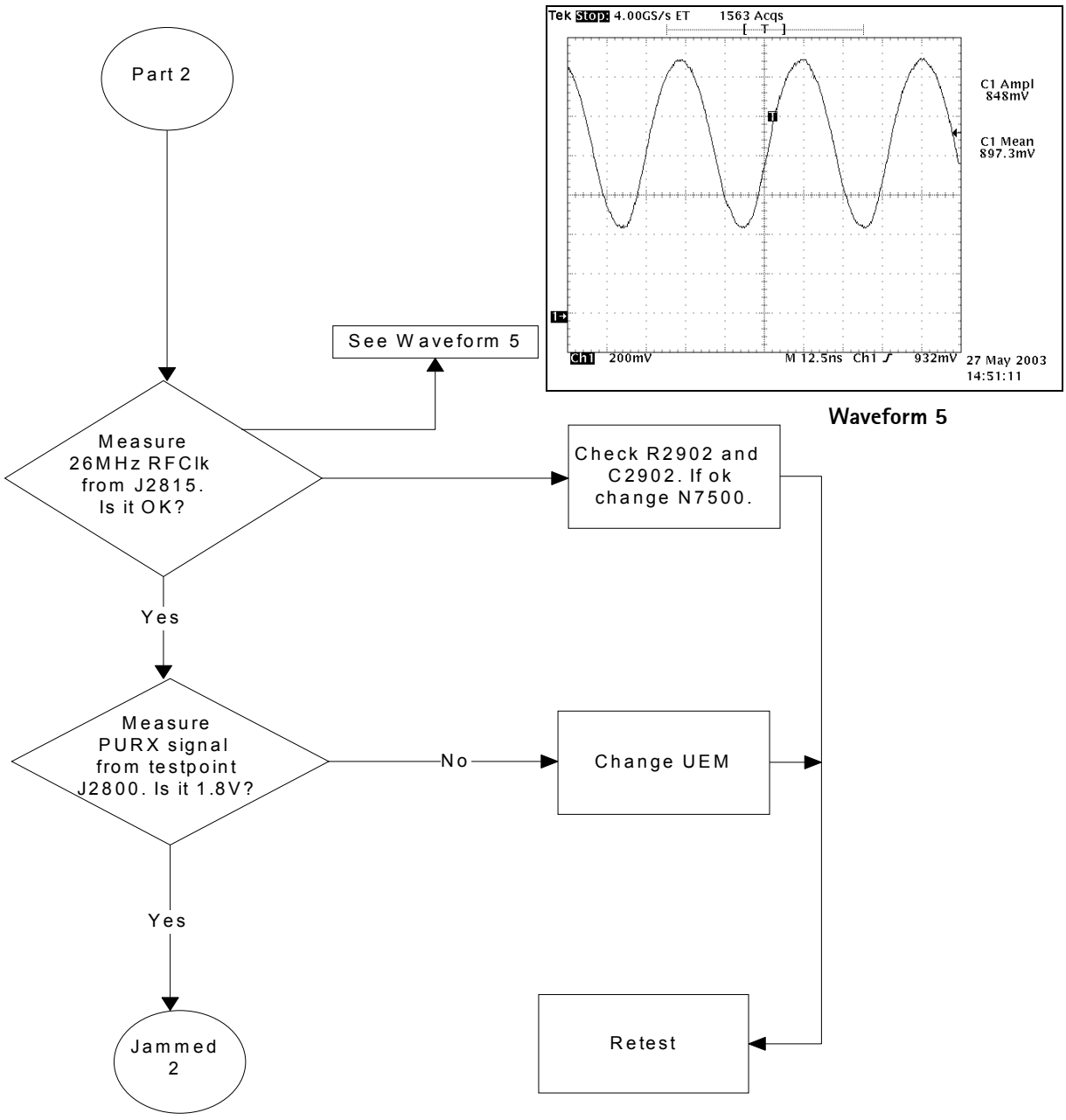
Phone is jammed 2



Waveform 5

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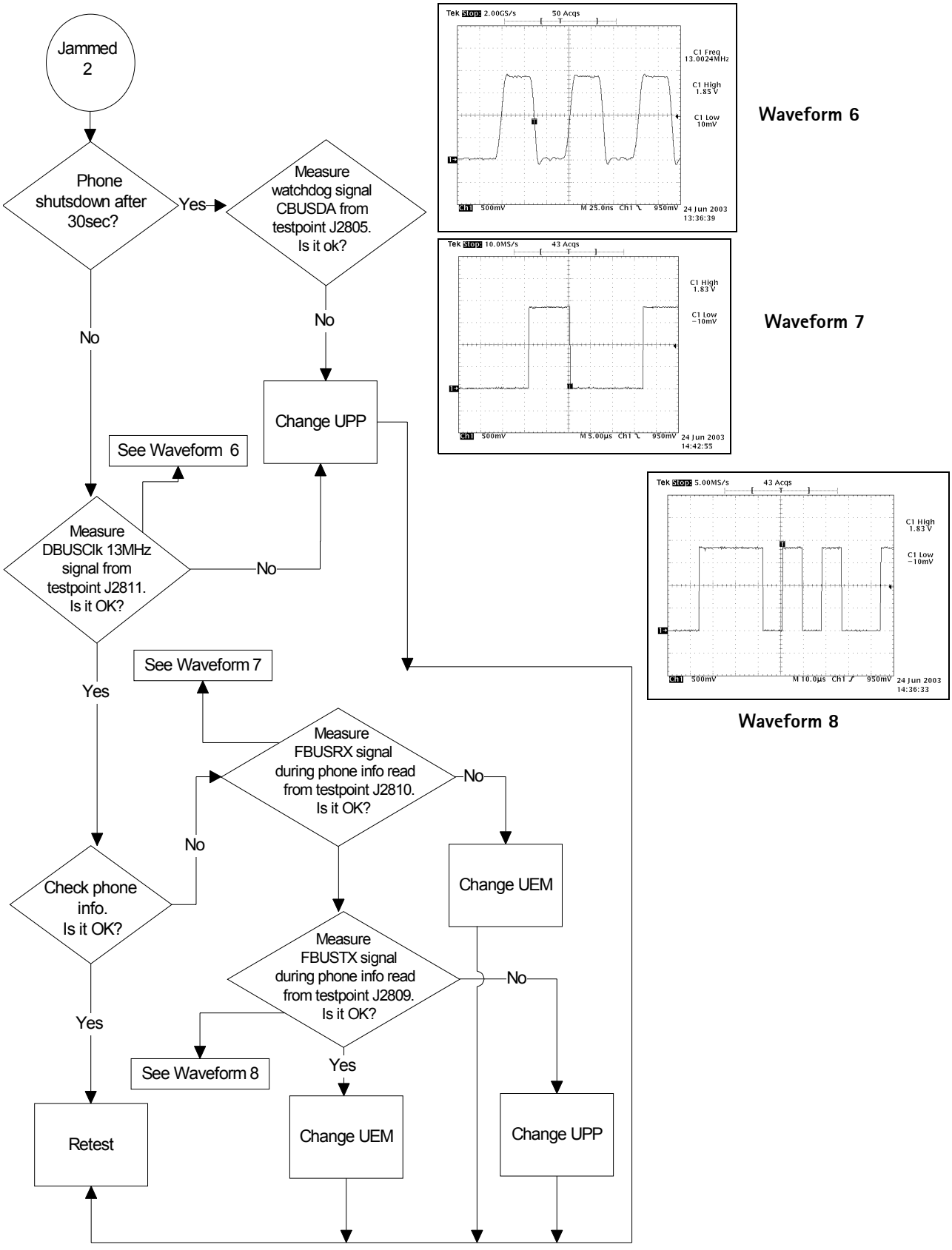

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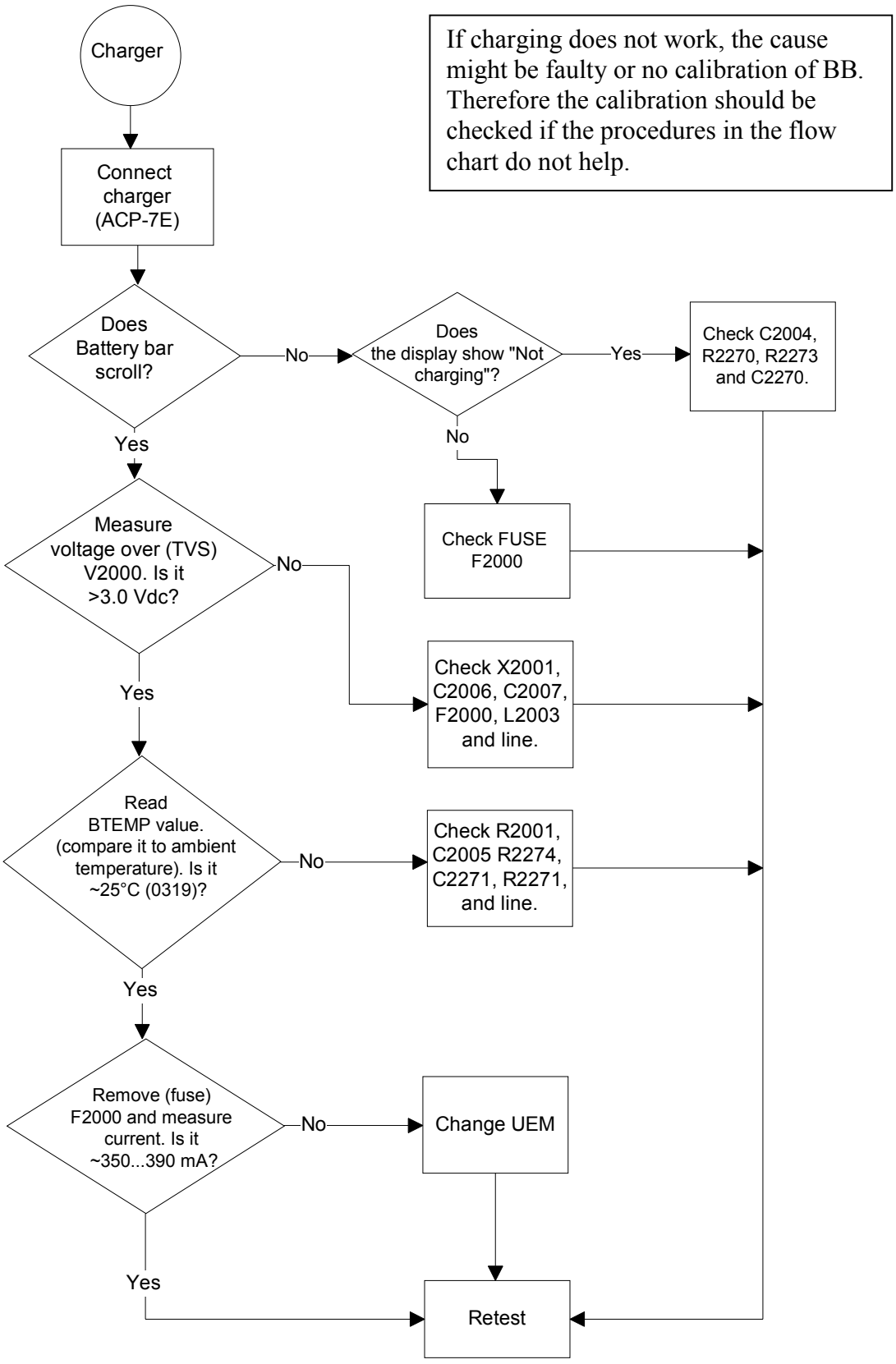
Charger



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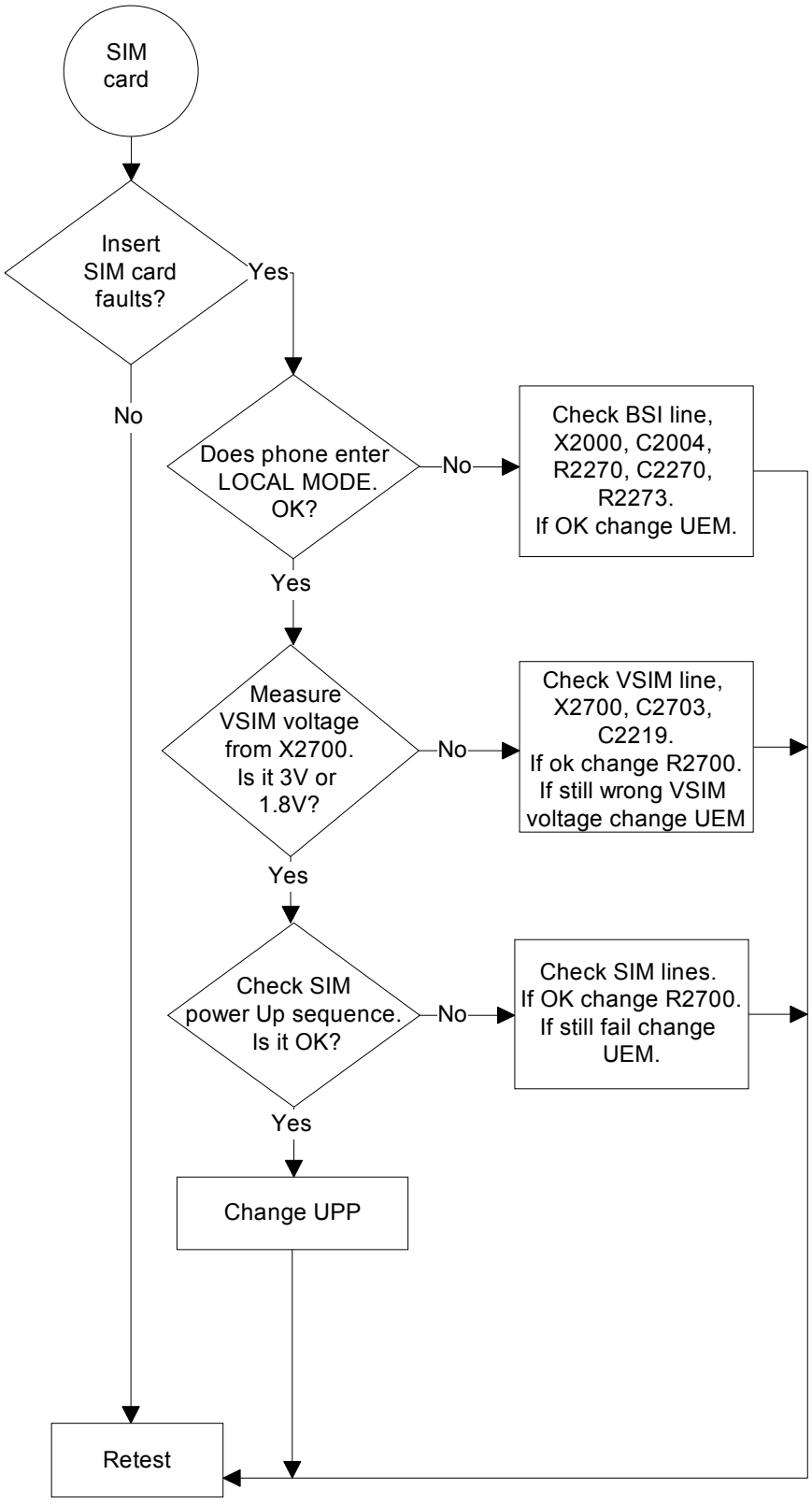
SIM Card



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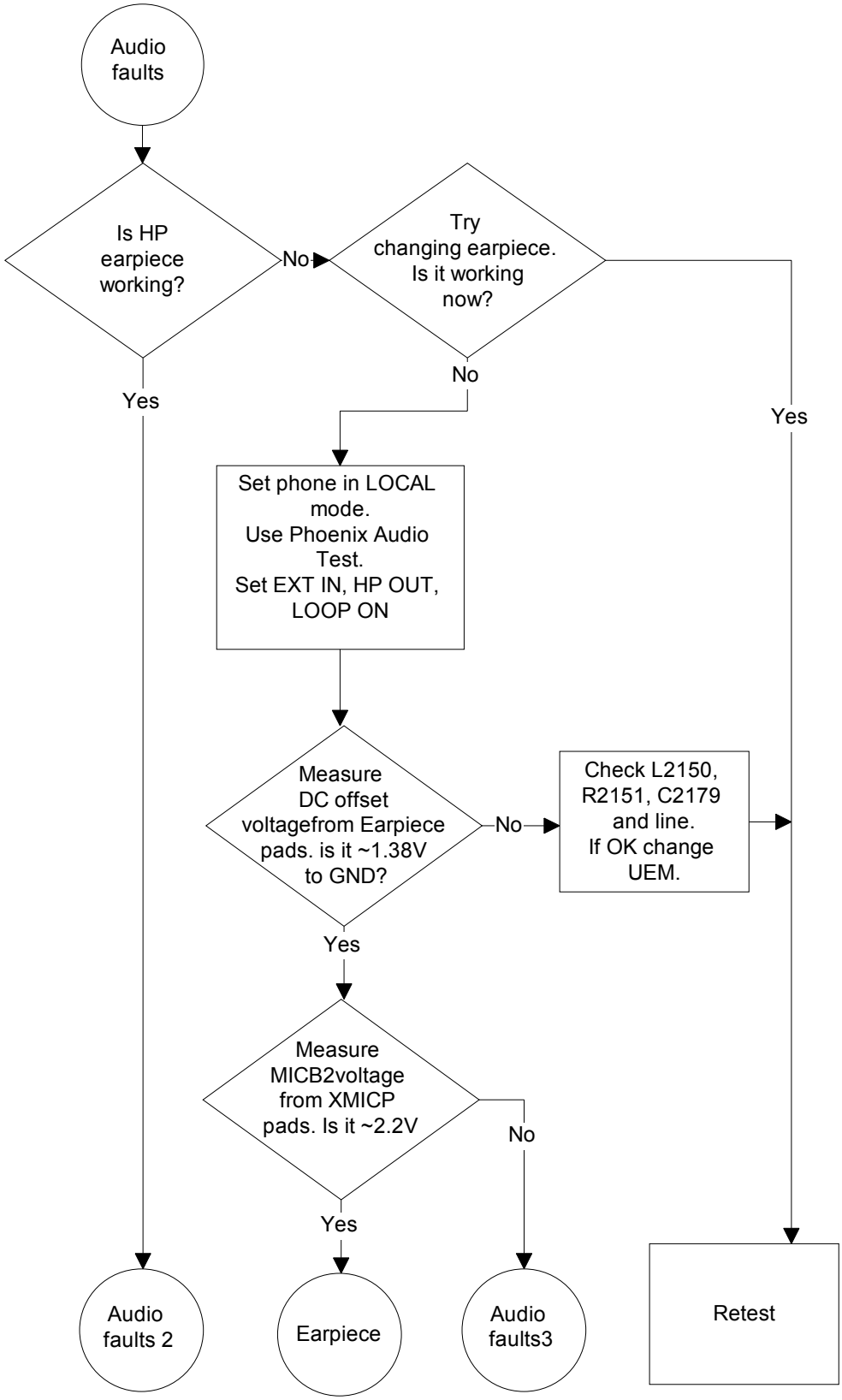
Audio faults 1



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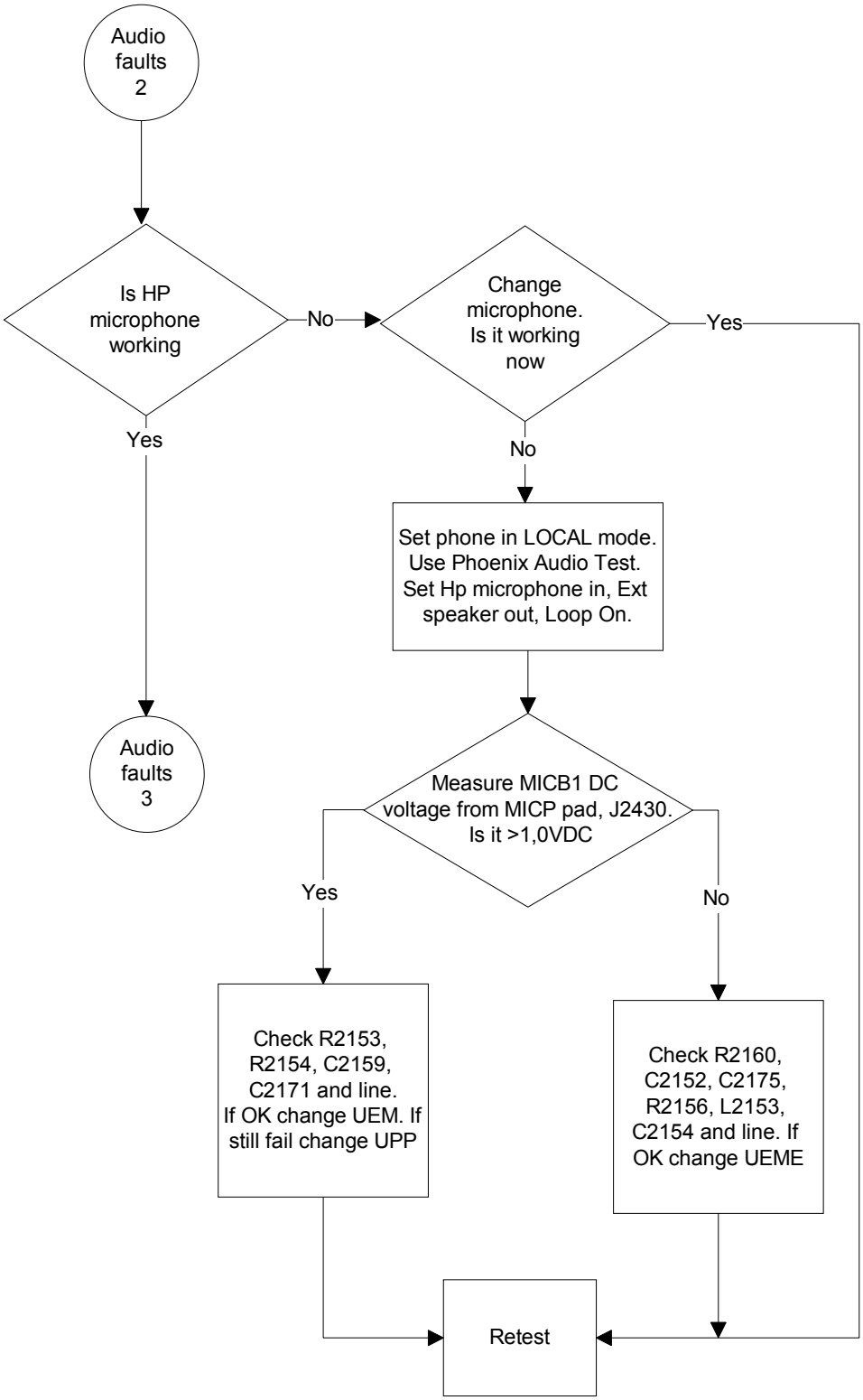
Audio faults 2



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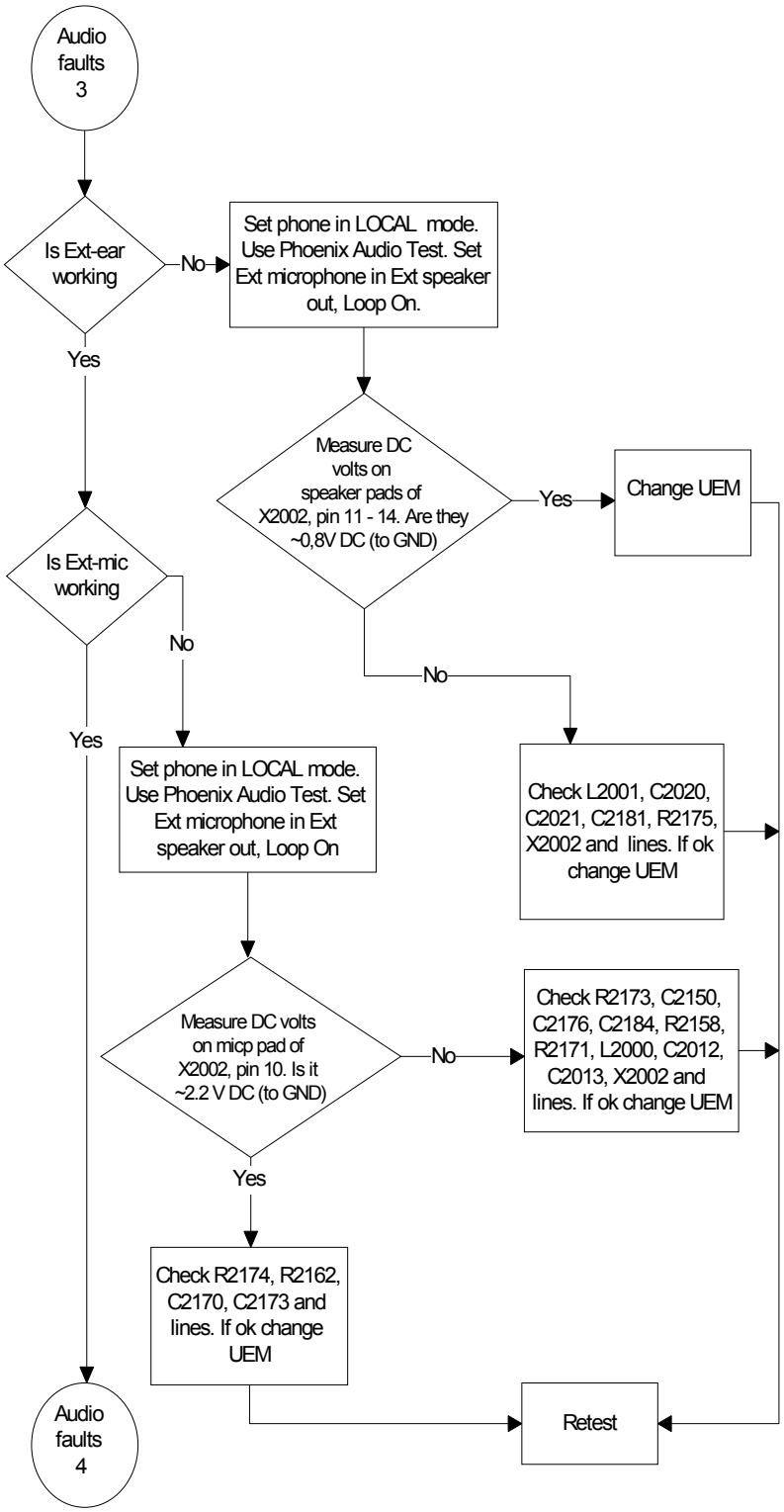
Audio faults 3



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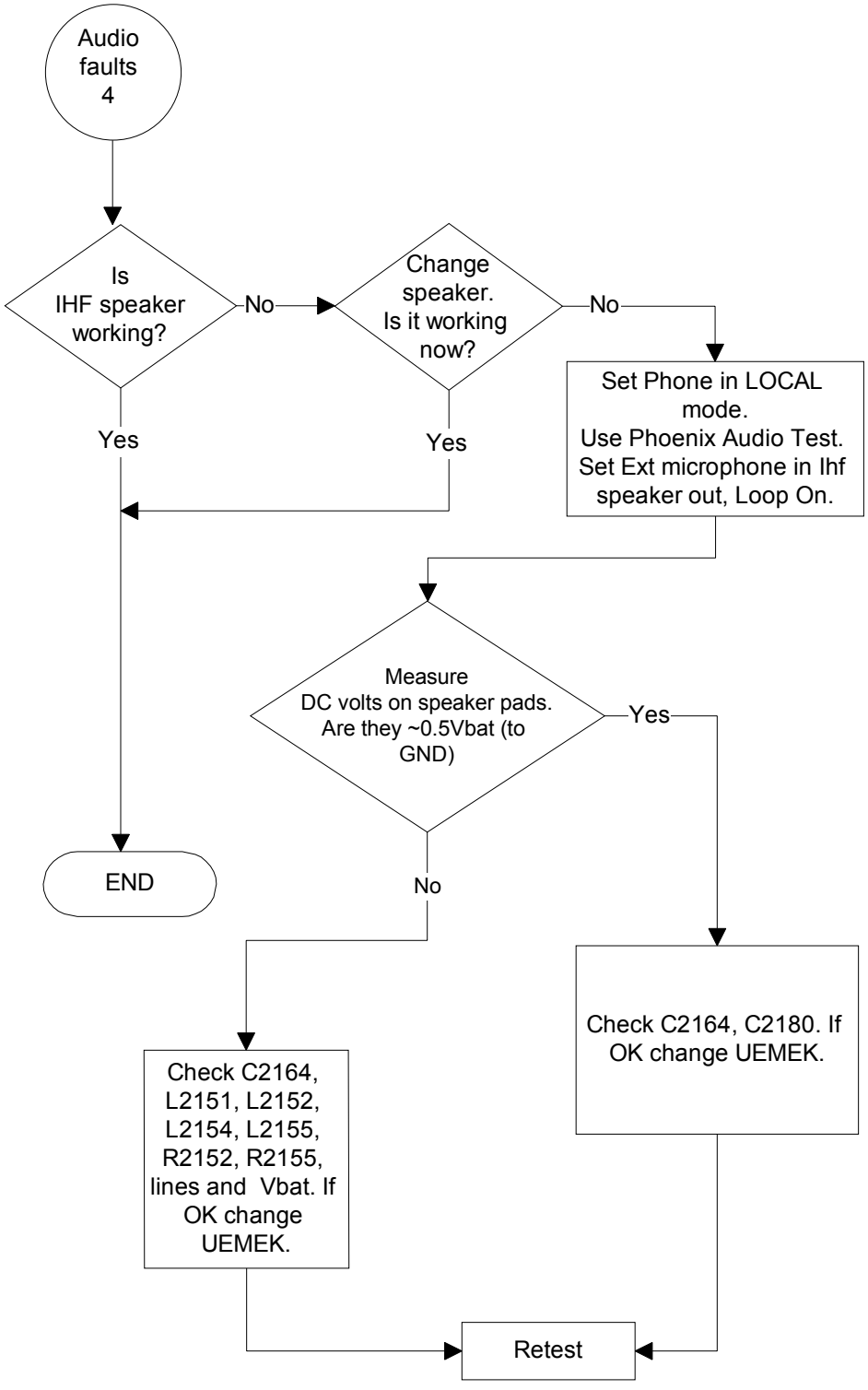
Audio faults 4



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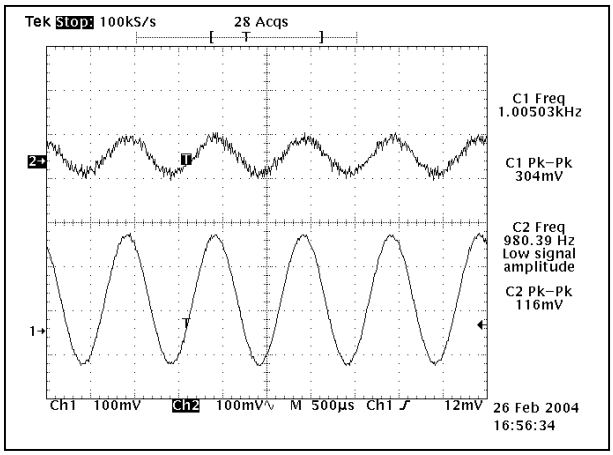
Earpiece

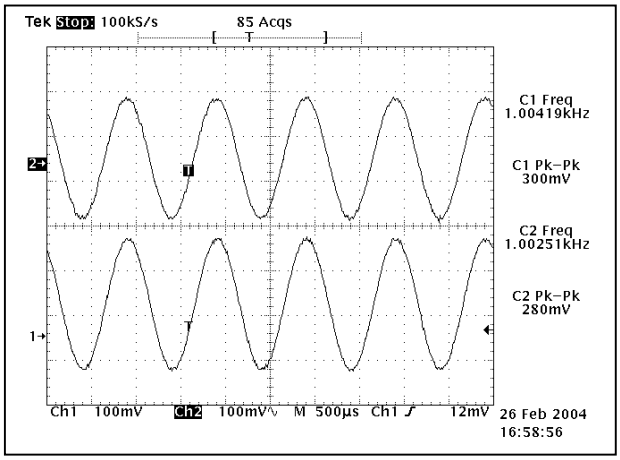


Waveform 9

Earpiece

Connect EXT audio signal 1kHz (sine 300mVpp) to XMICP pad and Ground on XMICN. Set phone in LOCAL mode. Use Phoenix Audio Test. Set Ext microphone in Ext speaker out, Loop On.

Waveform 10



Measure signal from external earpiece pads, X2002, pin 11 - 14. Is there a sine vawe?

No

Yes

Mesure sine signal at UEM (R2154 MIC1_P). Use AC coupling. Is it close to 300mVpp?

No

Yes

See Waveform 9 Channel 2

See Waveform 10 Channel 2

Change UPP

Change UEM

Check R2162, C2170, C2173, C2174, L2000, C2012, C2013 and line.

Retest

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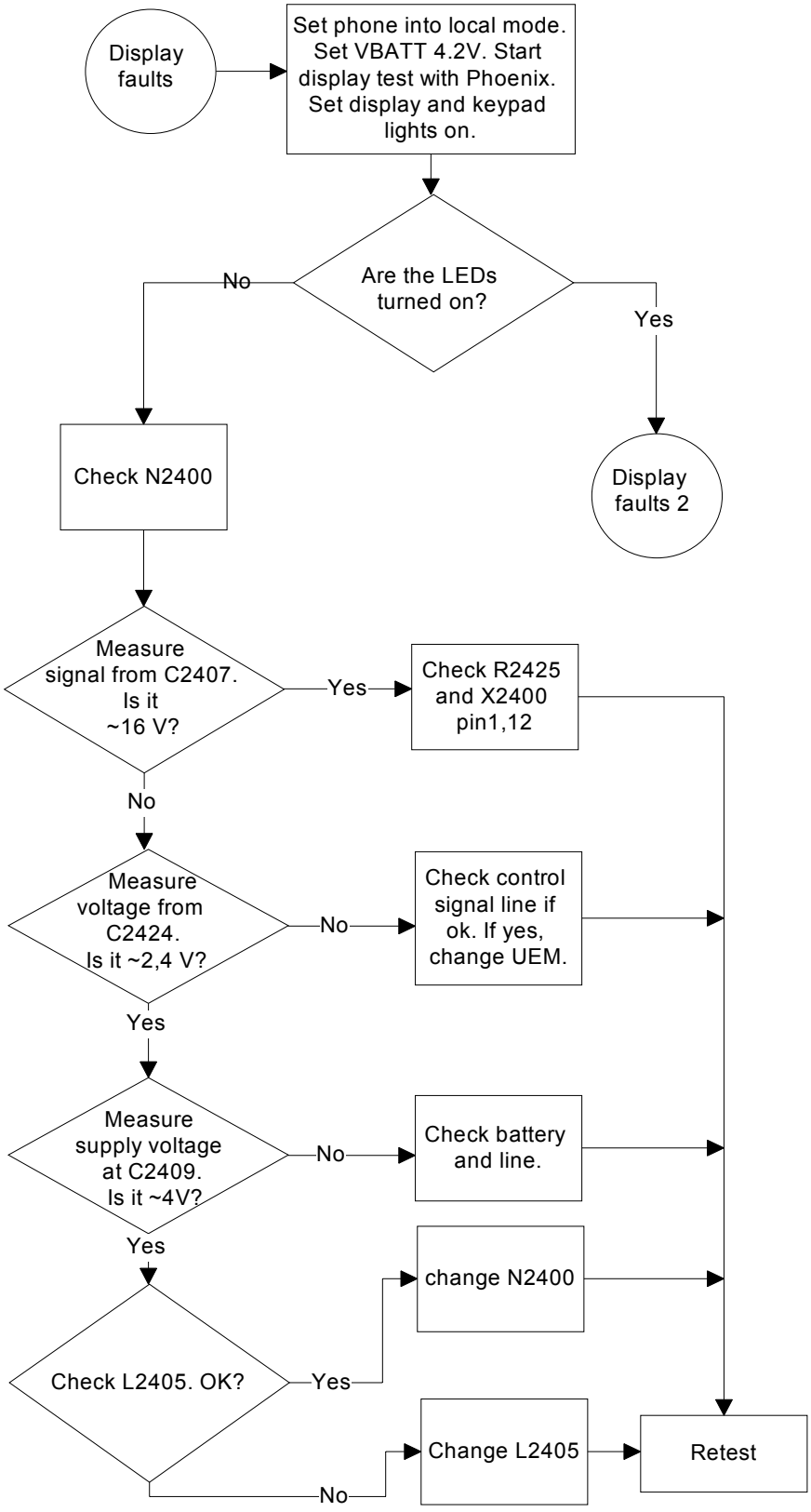
Display faults 1



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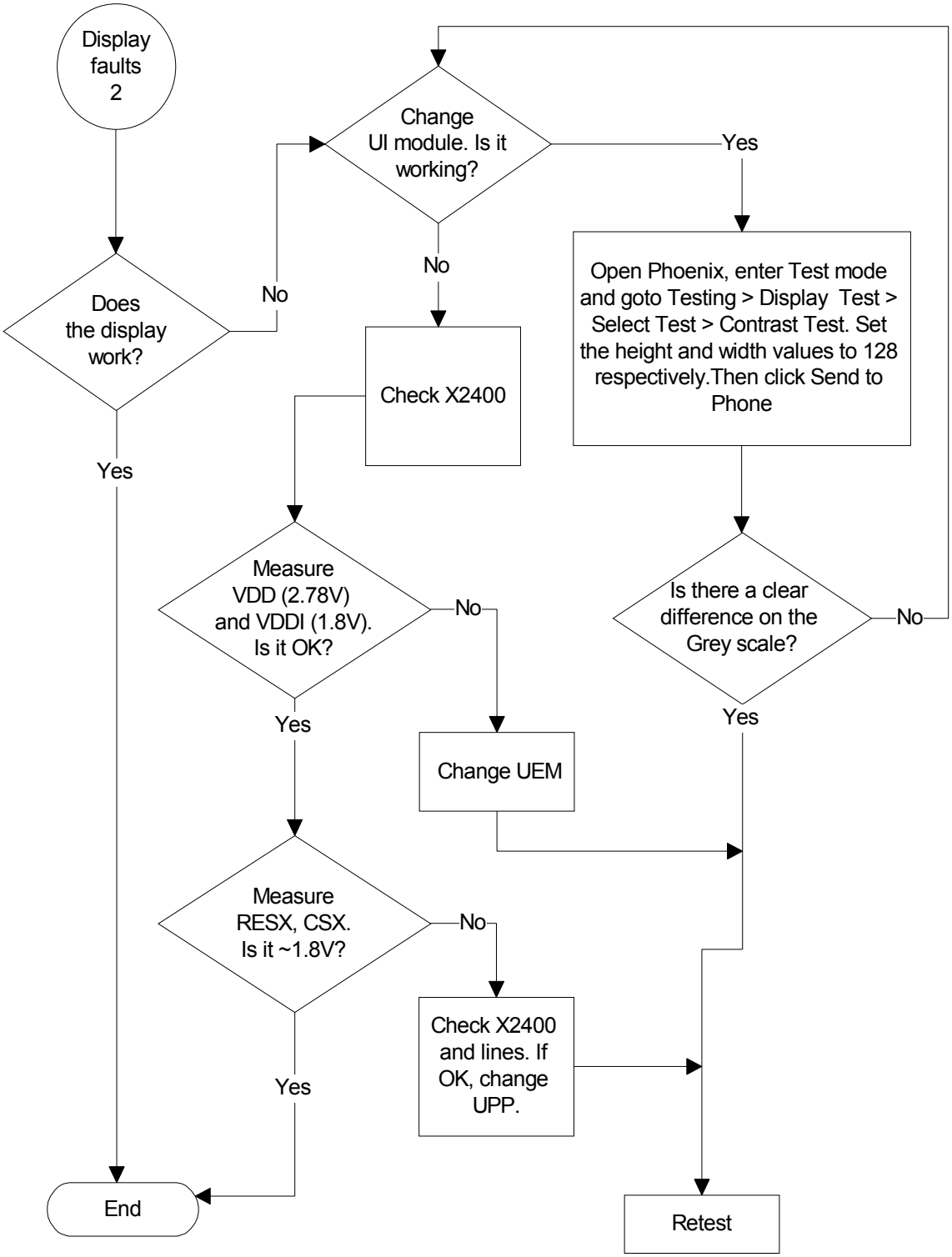
Display faults 2



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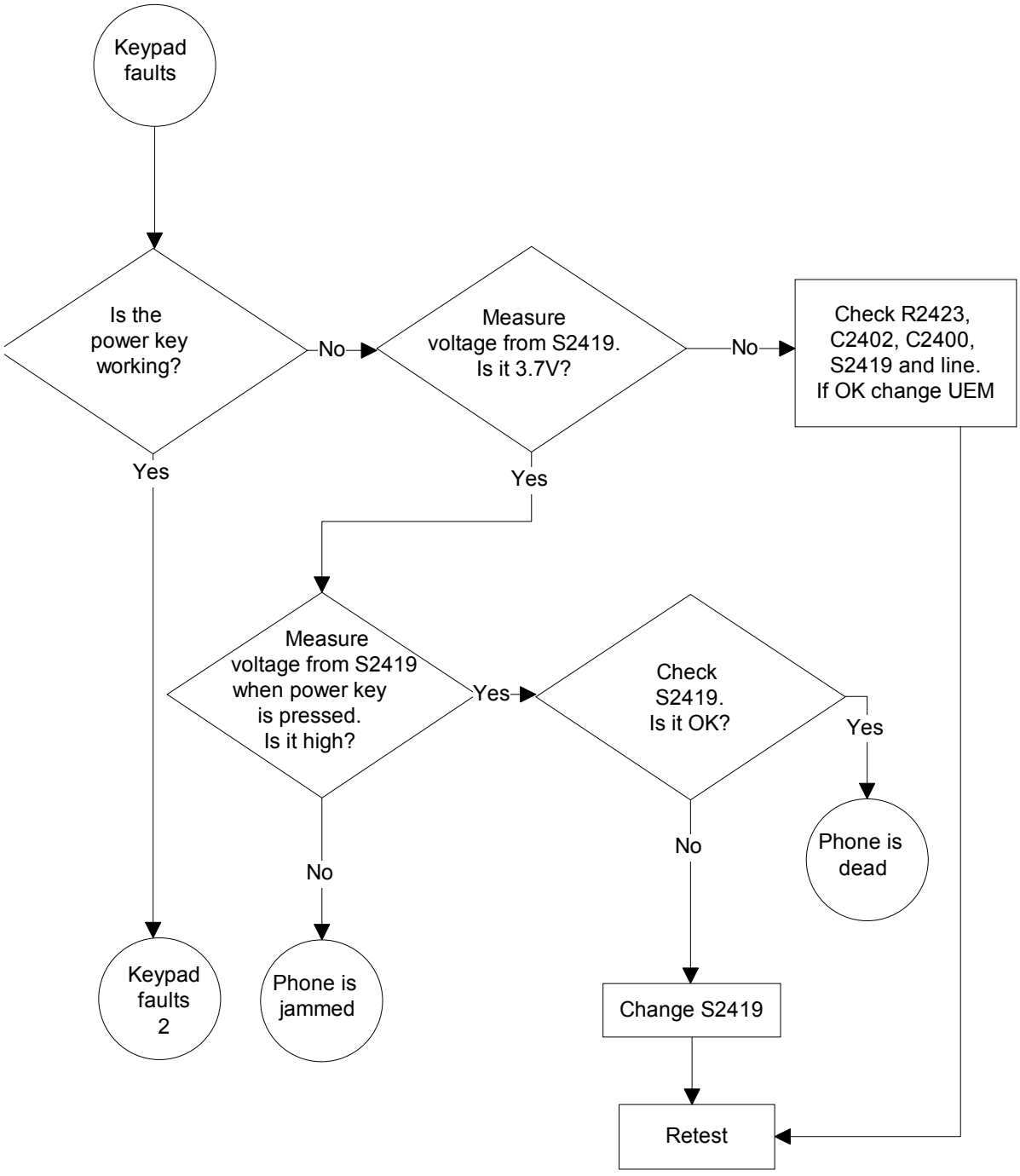
Keypad faults 1



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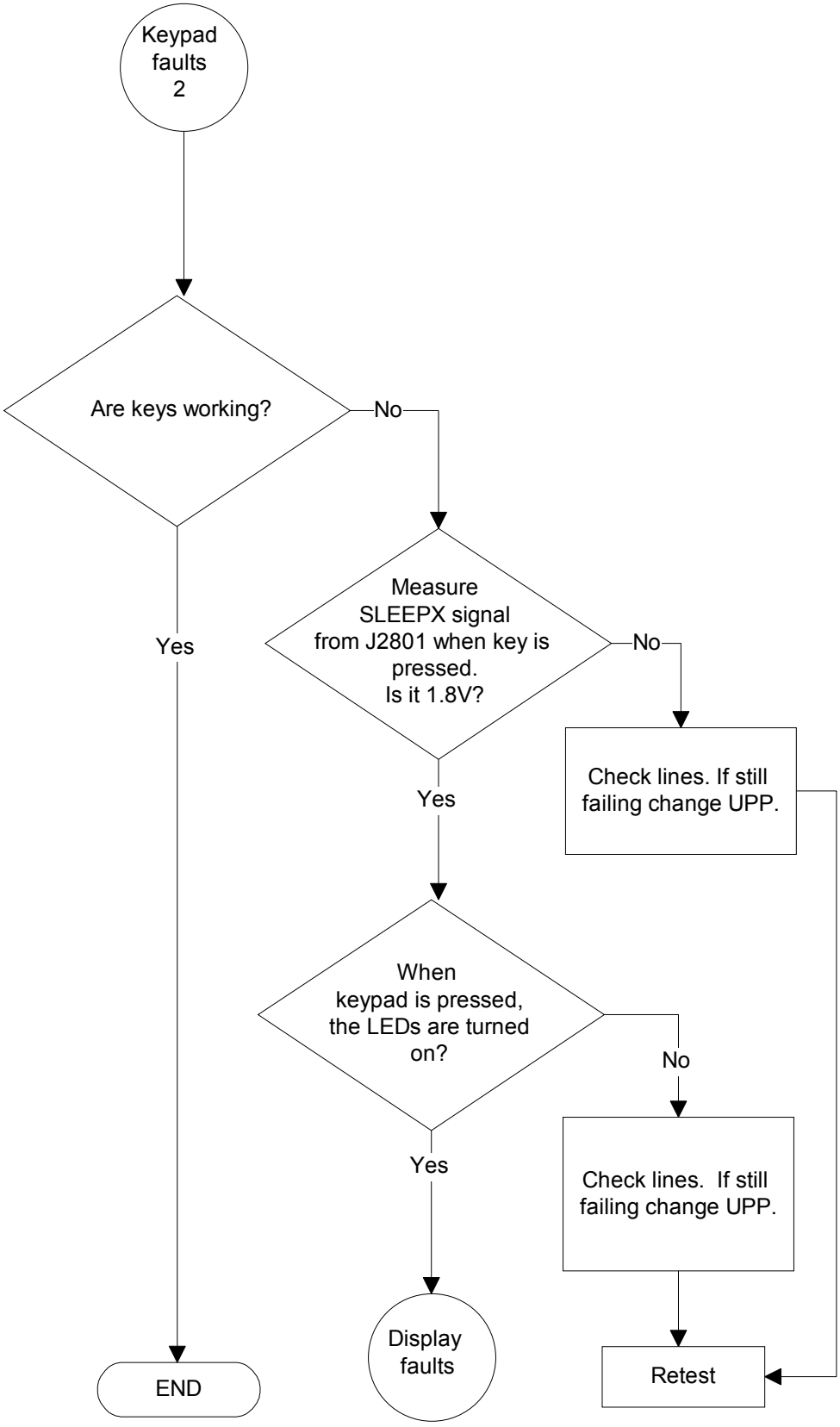
Keypad faults 2



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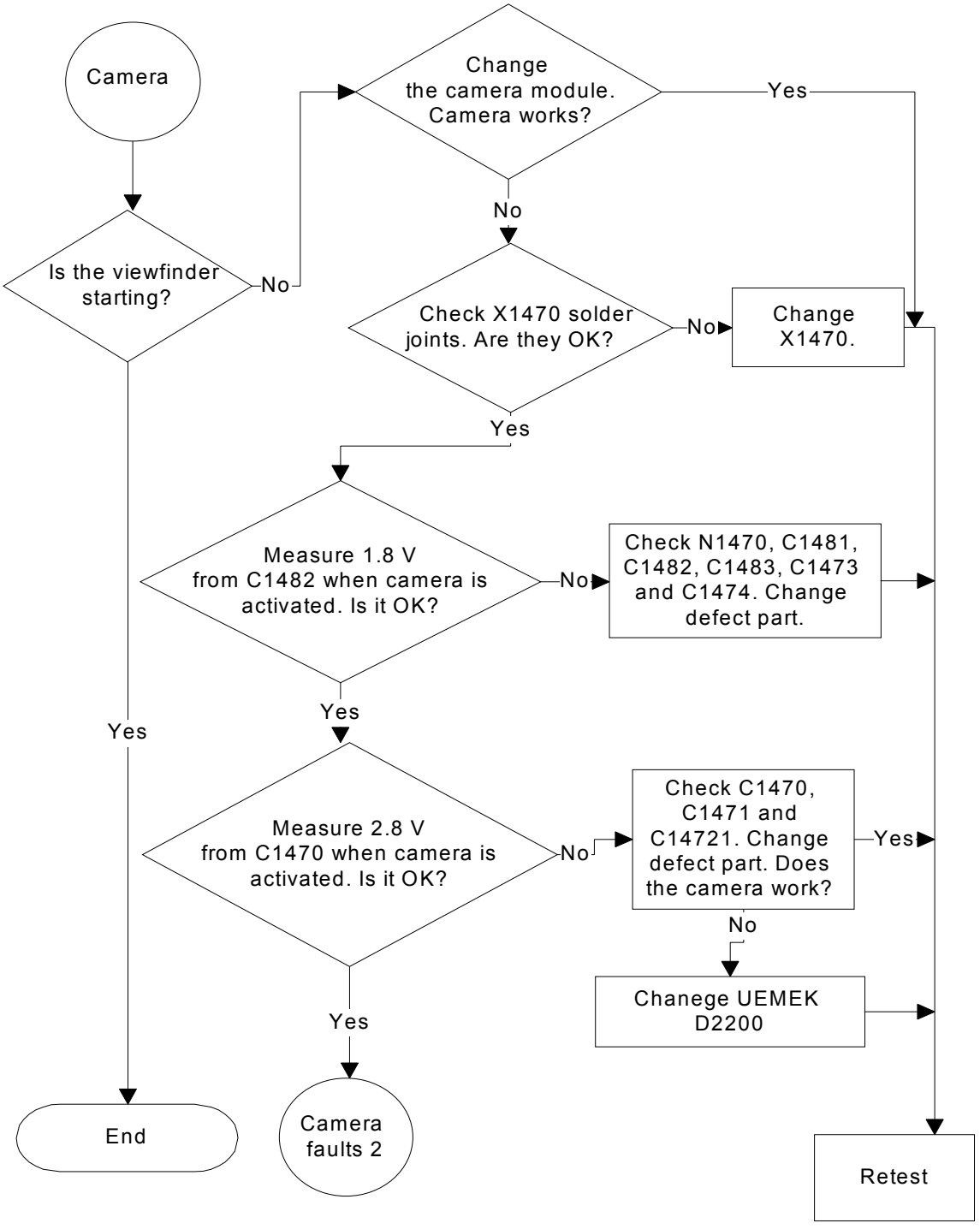
Camera faults 1



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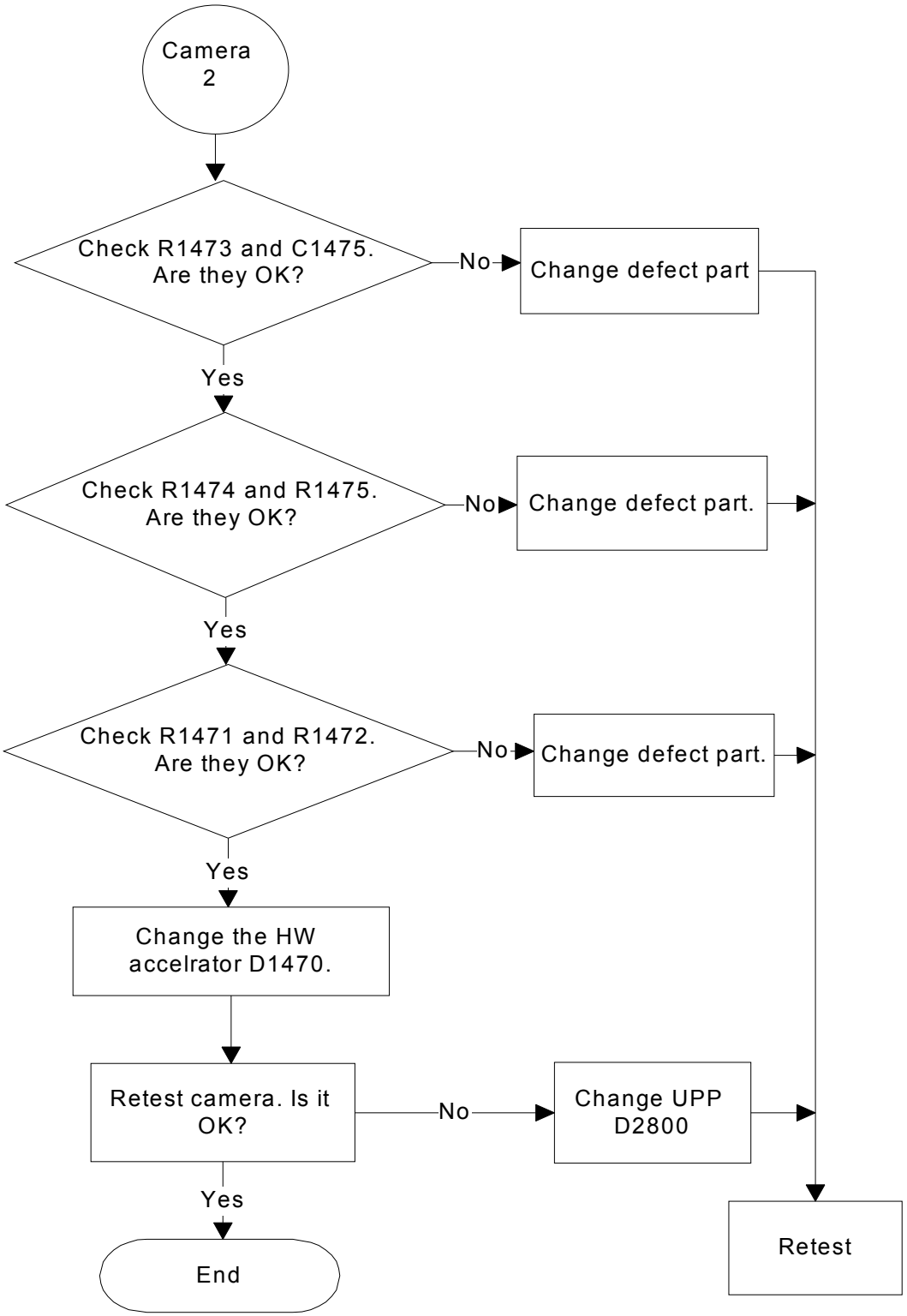
Camera faults 2



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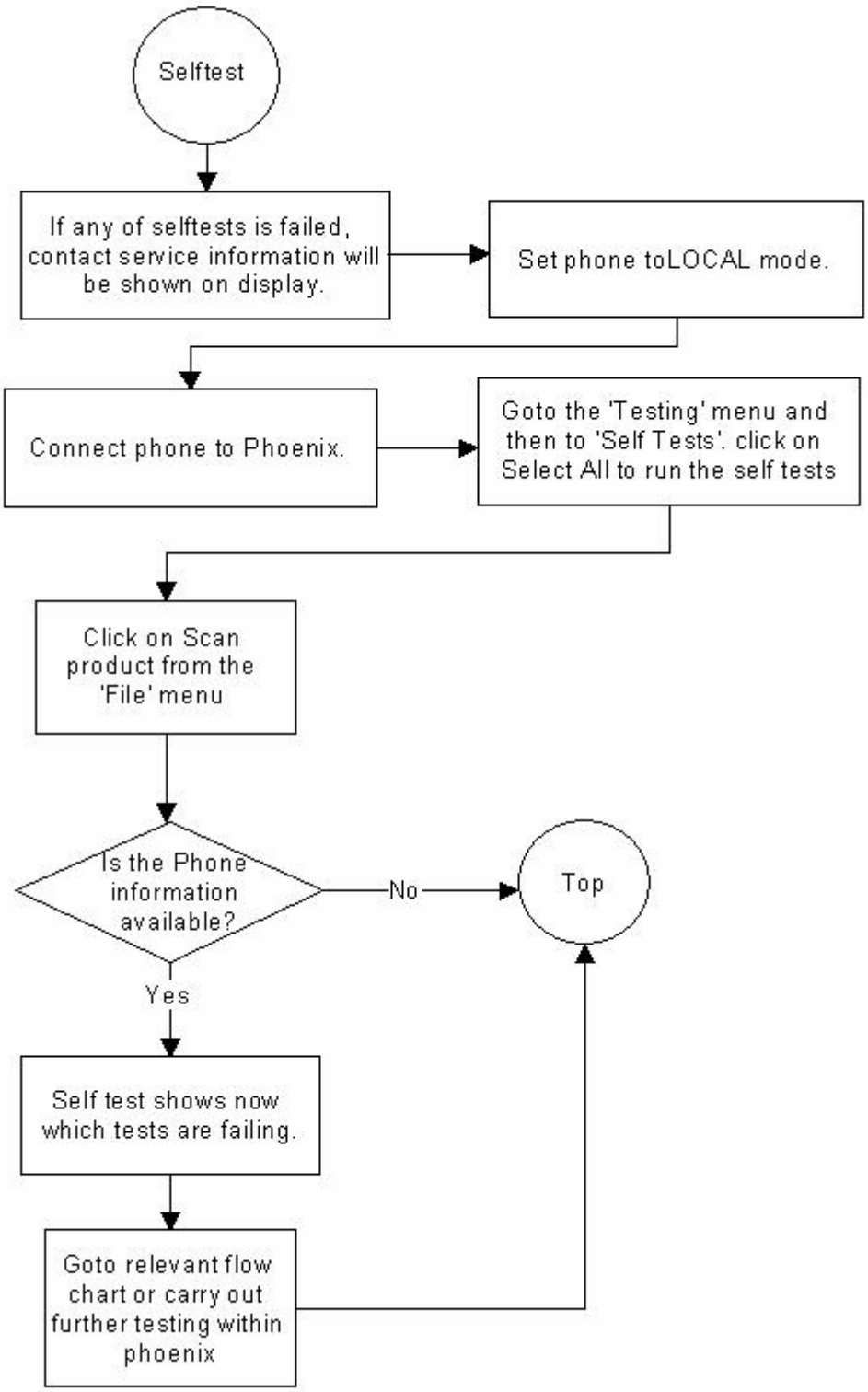
Self test



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